

addition, for the convenience of the Examiner, all claims now pending following the entry of the Preliminary Amendment, are reproduced in Appendix B entitled "Pending Claims".

CONCLUSION

Applicants respectfully request that the application, as amended, be examined on its merits by the Examiner.

Respectfully submitted,



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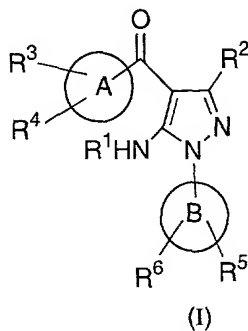
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**APPENDIX A**  
**VERSION SHOWING THE AMENDMENTS MADE**

1. (Amended) A compound selected from the group of compounds represented by Formula (I):



wherein:

R<sup>1</sup> is hydrogen or acyl;

R<sup>2</sup> is hydrogen or alkyl;

A is an aryl or heteroaryl ring;

B is an aryl or heteroaryl ring;

A and B are both simultaneously an aryl or a heteroaryl ring;

R<sup>3</sup> is selected from the group consisting of:

- (a) — amino, alkylamino or dialkylamino;
- (b) — acylamino;
- (c) optionally substituted heterocyclyl;
- (d) optionally substituted aryl or heteroaryl;
- (e) heteroalkyl substituted with a heteroaryl or heterocyclyl group;
- (f) heteroalkenyl;
- (g) heteroalkynyl;
- (h) — heteroalkoxy;
- (i) heteroalkylamino;
- (j) optionally substituted heterocyclylalkyl;
- (k) optionally substituted heterocyclylalkenyl;

- (l) optionally substituted heterocyclalkynyl;
- (m) optionally substituted heterocyclalkoxy, cyclyoxy or heterocycloxy;
- (n) optionally substituted heterocyclalkylamino;
- (o) optionally substituted heterocyclalkylcarbonyl;
- (p) heteroalkylcarbonyl;
- ~~(q)  $\text{NHSO}_2\text{R}^6$  where  $\text{R}^6$  is alkyl, heteroalkyl or optionally substituted heterocyclalkyl;~~
- ~~(r)  $\text{NHSO}_2\text{NR}^7\text{R}^8$  where  $\text{R}^7$  and  $\text{R}^8$  are, independently of each other, hydrogen, alkyl or heteroalkyl;~~
- (s)  $-\text{Y}-(\text{alkylene})-\text{R}^9$  where:  
     Y is a single bond,  $-\text{O}-$ ,  $-\text{NH}-$  or  $-\text{S}(\text{O})_n-$  (where n is an integer from 0 to 2); and  
      $\text{R}^9$  is cyano, optionally substituted heteroaryl,  $-\text{COOH}$ ,  $-\text{COR}^{10}$ ,  $-\text{COOR}^{11}$ ,  $-\text{CONR}^{12}\text{R}^{13}$ ,  $-\text{SO}_2\text{R}^{14}$ ,  $-\text{SO}_2\text{NR}^{15}\text{R}^{16}$ ,  $-\text{NHSO}_2\text{R}^{17}$  or  $-\text{NHSO}_2\text{NR}^{18}\text{R}^{19}$ , where  $\text{R}^{10}$  is alkyl or optionally substituted heterocycle,  $\text{R}^{11}$  is alkyl, and  $\text{R}^{12}$ ,  $\text{R}^{13}$ ,  $\text{R}^{14}$ ,  $\text{R}^{15}$ ,  $\text{R}^{16}$ ,  $\text{R}^{17}$ ,  $\text{R}^{18}$  and  $\text{R}^{19}$  are, independently of each other, hydrogen, alkyl or heteroalkyl;
- (t)  $-\text{C}(=\text{NR}^{20})(\text{NR}^{21}\text{R}^{22})$  where  $\text{R}^{20}$ ,  $\text{R}^{21}$  and  $\text{R}^{22}$  independently represent hydrogen, alkyl or hydroxy, or  $\text{R}^{20}$  and  $\text{R}^{21}$  together are  $-(\text{CH}_2)_n-$  where n is 2 or 3 and  $\text{R}^{22}$  is hydrogen or alkyl;
- (u)  $-\text{NHC}(\text{X})\text{NR}^{23}\text{R}^{24}$  where X is  $-\text{O}-$  or  $-\text{S}-$ , and  $\text{R}^{23}$  and  $\text{R}^{24}$  are, independently of each other, hydrogen, alkyl or heteroalkyl;
- (v)  $-\text{CONR}^{25}\text{R}^{26}$  where  $\text{R}^{25}$  and  $\text{R}^{26}$  independently represent hydrogen, alkyl, heteroalkyl or optionally substituted heterocyclalkyl, or  $\text{R}^{25}$  and  $\text{R}^{26}$  together with the nitrogen to which they are attached form an optionally substituted heterocycl ring;
- (x) cycloalkylalkyl, cycloalkylalkynyl and cycloalkylalkynyl, all optionally substituted with alkyl, halo, hydroxy or amino;

- (y) arylaminoalkylene or heteroarylaminoalkylene;
- (z) Z-alkylene-NR<sup>30</sup>R<sup>31</sup> or Z-alkylene-OR<sup>32</sup> where Z is -NH-, -N(lower alkyl)- or -O-, and R<sup>30</sup>, R<sup>31</sup> and R<sup>32</sup> are independently of each other, hydrogen, alkyl or heteroalkyl;
- (aa) -OC(O)-alkylene-CO<sub>2</sub>H or -OC(O)-NR'R'' (where R' and R'' are independently hydrogen or alkyl); and
- (bb) heteroarylalkenylene or heteroarylalkynylene;

R<sup>4</sup> is selected from the group consisting of:

- (a) hydrogen;
- (b) halo;
- (c) alkyl;
- (d) alkoxy; and
- (e) hydroxy;

R<sup>5</sup> is selected from the group consisting of :

- (a) hydrogen;
- (b) halo;
- (c) alkyl;
- (d) haloalkyl;
- (e) thioalkyl;
- (f) hydroxy;
- (g) amino;
- (h) alkylamino;
- (i) dialkylamino;
- (j) heteroalkyl;
- (k) optionally substituted heterocycle;
- (l) optionally substituted heterocyclalkyl;
- (m) optionally substituted heterocyclalkoxy;
- (n) alkylsulfonyl;
- (o) aminosulfonyl, mono-alkylaminosulfonyl or di-alkylaminosulfonyl;

(p) heteroalkoxy; and

(q) carboxy;

R<sup>6</sup> is selected from the group consisting of:

(a) hydrogen;

(b) halo;

(c) alkyl; and

(d) alkoxy; and

prodrugs, individual isomers, mixtures of isomers and pharmaceutically acceptable salts thereof.

2. (Amended herein) The compound of Claim 1 wherein R<sup>3</sup> is:

(a) optionally substituted heterocyclyl;

(b) aryl or heteroaryl both optionally substituted with a substituent selected from halo, alkyl, amino, alkoxy, carboxy, lower alkoxy carbonyl, SO<sub>2</sub>R' (where R' is alkyl) or SO<sub>2</sub>NHR'R'' (where R' and R'' are independently hydrogen or alkyl);

(c) heteroalkyl substituted with a heteroaryl or a heterocyclyl group;

(d) heteroalkenyl;

(e) heteroalkylamino;

(g) optionally substituted heterocyclylalkyl or heterocyclylloxy;

(h) optionally substituted heterocyclylalkenyl;

(i) optionally substituted heterocyclylalkynyl;

(j) optionally substituted heterocyclylalkoxy;

(k) optionally substituted heterocyclylalkylamino;

(l) optionally substituted heterocyclylalkylcarbonyl;

(k) -Y-(alkylene)-R<sup>9</sup> where Y is a single bond, -O- or -NH- and R<sup>9</sup> is optionally substituted heteroaryl, -CONR<sup>12</sup>R<sup>13</sup>, SO<sub>2</sub>R<sup>14</sup>, -SO<sub>2</sub>NR<sup>15</sup>R<sup>16</sup>, -NHSO<sub>2</sub>R<sup>17</sup> or -NHSO<sub>2</sub>NR<sup>18</sup>R<sup>19</sup> where R<sup>12</sup>, R<sup>13</sup>, R<sup>14</sup>, R<sup>15</sup>, R<sup>16</sup>, R<sup>17</sup>, R<sup>18</sup> and R<sup>19</sup> are independently of each other hydrogen, alkyl or heteroalkyl;

- (l) cycloalkylalkyl, cycloalkylalkynyl and cycloalkylalkynyl, all optionally substituted with alkyl, halo, hydroxy or amino;
- (m) arylaminoalkylene or heteroaryl aminoalkylene; or
- (n) Z-alkylene-NR<sup>30</sup>R<sup>31</sup> where Z is -NH-, -N(alkyl)- or -O-, and R<sup>30</sup> and R<sup>31</sup> are independently of each other, hydrogen, alkyl or heteroalkyl.

16. (Amended) The compound of Claim 5, wherein R<sup>3</sup> is:

- (a) heteroalkyl substituted with a heteroaryl or a heterocyclyl group;
- ~~(b) heteroalkoxy;~~
- (c) heteroalkylamino;
- (d) optionally substituted heterocyclylalkyl;
- (e) optionally substituted heterocyclylalkoxy;
- (f) optionally substituted heterocyclylalkylamino;
- (g) -Y-(alkylene)-R<sup>9</sup> where Y is a single bond, -O- or -NH- and R<sup>9</sup> is optionally substituted heteroaryl, -CONR<sup>12</sup>R<sup>13</sup>, SO<sub>2</sub>R<sup>14</sup>, -SO<sub>2</sub>NR<sup>15</sup>R<sup>16</sup> -NHSO<sub>2</sub>R<sup>17</sup> or -SO<sub>2</sub>NR<sup>18</sup>R<sup>19</sup> where R<sup>12</sup>, R<sup>13</sup>, R<sup>14</sup>, R<sup>15</sup>, R<sup>16</sup>, R<sup>17</sup>, R<sup>18</sup> and R<sup>19</sup> are independently of each other hydrogen, alkyl or heteroalkyl; or
- (h) Z-alkylene-NR<sup>30</sup>R<sup>31</sup> where Z is -NH-, -N(alkyl)- or -O-, and R<sup>30</sup> and R<sup>31</sup> are independently of each other, hydrogen, alkyl or heteroalkyl.

17. (Amended herein) The compound of Claim 16, wherein R<sup>3</sup> is heteroalkyl substituted with a heteroaryl or a heterocyclyl group.